

2007 Engineering Conference Breakout Period 5.

4. Collaboration in NEPA: improving decisions by engaging effectively with agencies and the public

Track: Public Involvement

Presenters: Janet Barbieri and Nicholas Dewar (Jones & Stokes)

Synopsis: “Collaboration in NEPA” - happens to also be the title of a proposed CEQ guidance document that was released for public review on March 16. The guidance focuses on the benefits of a collaborative approach to NEPA compliance. It also provides case studies and sample documents for the collaborating agencies.

Time Required: 50 Minutes

9. Emissions Impossible – The UDOT Quarry Permitting Case Study

Track: Environmental

Presenters: Mark Hooyer, Kleinfelder, Inc., Salt Lake City, Utah, Mike Robinson, P.E., Kleinfelder, Inc., Reno, Nevada, Todd Jensen, Utah Department of Transportation, Legacy Parkway Team.

Synopsis: This talk highlights the methods and resources used to accomplish this remarkable project. It started with an “impossible” request. To reduce rising construction material costs for Utah’s high-profile Legacy Parkway project. This quarry would be used to provide an estimated 4 million tons of needed aggregate materials at little to no cost to the contractors bidding on the project, thus offsetting escalating construction costs. To accomplish this project, a core team of eleven personnel with expertise in air quality and mining engineering teamed together for five weeks. Innovative approaches were needed to accomplish this project within the deadlines and regulatory constraints at hand.

Time Required: 50 Minutes

25. Geofoam Settlement Performance

Track: Geotechnical

Presenters: Clifton Farnsworth

Synopsis: Comparison of construction time, cost, and performance for a one-stage MSE wall with Lime Cement Columns, Geofoam embankments and two-stage MSE walls with PV drains as reported on the ASCE Geotech Journal (proceedings of UDOT/UofU research venture).

Time Required: 50 minutes

37. Changes to Standard Traffic Control Drawings

Track: ITS / Traffic Management / Safety

Presenter: John Leonard

Synopsis: Recent changes to the Traffic Control Standard Drawing will be discussed at this session.

Time Required: 50

53. Bonded Wearing Course, Full-Depth Recycling, & Cold-In-Place Recycling

Track: Materials

Presenters: SEM Materials – Wayne Felix and/or Stephane Charmot

Synopsis: An overview of these technologies, recent developments and applications in Utah.

Time Required: 50 minutes

59. How to use SUE effectively on projects

Track: Design

Presenters: Elisha Ritchie & Vince Reger

Synopsis: What can SUE do for your project and how can it save time and money.

Time Required: 50 minutes

65. Cadd Tips and Tricks

Track: Design

Presenters: Jim Buckley and Renee Ye

Synopsis: This course will have tool tips for Microstation and will have an overview of the new macro toolbox that has been created to help increase productivity by helping speed up repetitive tasks within Microstation. This course's intended audience is primarily for those who use Microstation.

Time Required: 50 minutes

70. Advanced Bridge Construction Techniques (1/2 day)

Track: Structures/Research/Hydraulics/RofW

Presenters: Richard Miller, Lisa Wilson, Danny Page, Dave Eixenberger.

Synopsis: There will be a Project Planner, Project Manager, Project Designers, Resident Engineer, Contractors, and SPMT (Self-Propelled Module Transporter) Provider available to present what they have learned from a very new and visible project. The 4500 South over I-215 eastside bridge replacement will be using SPMT construction method. It is the first time for UDOT to use this method. This project has also been selected as the showcase project by the FHWA Office of Bridge Technology in Washington D.C. The showcase event is important to the upper management and will be held on October 28, 2007. Based on what UDOT has learned, we will share our first-hand experiences with other engineers at the workshop.

Time Required: ½ Day workshop